<u>AMENDMENTS TO THE CLAIMS</u>:

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing Of Claims</u>:

1.-6. (Canceled)

7.   (New) A method for transmitting a data block from a data source to a data sink on a bus that supports a transmission of a frame having a variable and limited number n of data elements, comprising:

transmitting, from the data sink to the data source, control information that specifies at least a number N of data elements contained in a block to be transmitted;

if $N > n$, transmitting int (N/n) frames, each containing n data elements of the block to be transmitted and transmitting a frame having $(N \bmod n)$ data elements of the block to be transmitted from the data source to the data sink, int (N/n) being the largest integer which is less than or equal to N/n;

recognizing the transmission of the block as complete by the data sink if the number of data elements received in the step of transmitting int (N/n) frames agrees with the number N specified in the control information.

8.   (New) The method as recited in Claim 7, wherein if $N = n$, the data source transmits a single frame having N data elements, and the data sink recognizes the block as complete already after receiving the single frame.

9.   (New) The method as recited in Claim 7, wherein the data source transmits the block at a point in time specified in the control information.

10.   (New) The method as recited in Claim 7, wherein the data source forms the block from a plurality of parameters specified in the control information.

11.   (New) The method as recited in Claim 7, wherein the bus is a CAN bus.

12.   (New) The method as recited in Claim 7, wherein the method is used in a development environment for a controller circuit, the data source being the controller circuit and the data sink being a host computer.